

Having described my invention, I claim:

Claim 1. A self locking frame for installing a glass pane in apertures cut in composite doors comprising:

a first frame member having an interior retaining rim for supporting a glass pane and a continuous flange extending perpendicularly from said rim adapted to engage the planner surface of a door on which said first frame member is installed;

a second frame member having an interior retaining rim for co-supporting a glass pane and a continuous flange extending perpendicularly from said rim adapted to engage the planner surface of a door on the opposite side of the door on which said first frame member is installed;

locking means consisting of a plurality of male gripping means interspersed with a plurality of female interlock means positioned along said rim of said first frame member and plurality of male gripping means interspersed with a plurality of female interlock

means positioned along said rim of said second frame member so said male gripping means will be in registry with said female interlock means when the said frame members are assembled on a door and operable to lock said first frame member to the second frame member when said plurality of male gripping means are received in said plurality of female interlocking means; and

temporary support means between said first frame member and said second frame member operable to keep said frame members in registry and operable to keep said plurality of male gripping means and said plurality of female interlock means out of registry during handling prior to installation on a door.

Claim 2. The self locking frame for installing a glass pane in apertures cut in composite doors defined in claim 1 wherein each of the female interlock means include a stop to limit the degree of insertion of its associated male gripping means to prevent the distortion of the door's surfaces by over compression of the frame members during installation.

Claim 3. The self locking frame for installing a glass pane in apertures cut in composite doors defined in claim 1 wherein the first frame member and the second frame member include sealing means

about their respective interior rims operable to seal a glass pane therein.

Claim 4. The self locking frame for installing a glass pane in apertures cut in composite doors defined in claim 1 wherein at least one of the flanges of one of the frame members includes sealing means operable to seal said flange against the surface of a door on which it is installed.

Claim 5. The self locking frame for installing a glass pane in apertures cut in composite doors defined in claim 1 wherein each male gripping means includes a pair of pins with locking ledges and each female interlock means includes a double cleat to engage said locking ledges.

Claim 6. A self locking frame system for installing a glass pane in apertures cut in composite doors comprising:

a first frame member having an interior retaining rim for supporting a glass pane and a continuous flange extending perpendicularly from said rim adapted to engage the planner surface of a door on which said first frame member is installed;

a glass pane sealing installed in said interior retaining rim of said first frame member;

a second frame member having an interior retaining rim for co-supporting said glass pane installed in said first frame member and a continuous flange extending perpendicularly from said rim adapted to engage the planner surface of a door on the opposite side of the door on which said first frame member is installed;

locking means consisting of a plurality of male gripping means interspersed with a plurality of female interlock means positioned along said rim of said first frame member and plurality of male gripping means interspersed with a plurality of female interlock means positioned along its rim of said second frame member so said male gripping means will be in registry with said female interlock means when the said frame members are assembled on a door and operable to lock said first frame member to the second frame member when said plurality of male gripping means are received in said plurality of female interlocking means; and

temporary support means between said first frame member and said second frame member operable to allow both of said frame members to support said glass pane by keeping said frame members in registry and operable to keep said plurality of said male gripping means and said plurality of said female interlock means out of

registry during handling prior to installation on a door.

Claim 7. A self locking frame system for installing a glass pane in apertures cut in composite doors as defined in claim 6 wherein each of female interlock means include a stop to limit the degree of insertion of its associated male gripping means to prevent the distortion of the door's surfaces by over compression of the frame members during installation.

Claim 8. A self locking frame system for installing a glass pane in apertures cut in composite doors as defined in claim 6 wherein the first frame member and the second frame member include sealing means about their respective interior rims operable to seal a glass pane therein.

Claim 9. A self locking frame system for installing a glass pane in apertures cut in composite doors as defined in claim 6 wherein at least one of the flanges of one of the frame members includes sealing means operable to seal said flange against the surface of a door on which it is installed.

Claim 10. A self locking frame system for installing a glass pane

in apertures cut in composite doors as defined in claim 6 wherein each male gripping means includes a pair of pins with locking ledges and each female interlock means includes a double cleat to engage said locking ledges.

Claim 11. The self locking frame for installing a glass pane in apertures cut in composite doors defined in claim 1 wherein the spacing between the plurality of male gripping means interspersed with a plurality of female interlock means on each frame member does not exceed ten inches.

Claim 12. A self locking frame system for installing a glass pane in apertures cut in composite doors as defined in claim 6 wherein the spacing between the plurality of male gripping means interspersed with a plurality of female interlock means on each frame member does not exceed ten inches.